



Australian Government

CPC32720 Certificate III in Gas Fitting

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Modification History

Release	Comments
6	New unit of competency <i>CPCPGS3026 Assess operational risk when working with hydrogen</i> added to elective bank.
5	Updated reference to general construction induction training program.
4	This version first released with CPC Construction, Plumbing and Services Training Package Release 6.6. Typographical correction made to title of HLTAID011 Provide First Aid.
3	This version first released with CPC Construction, Plumbing and Services Training Package Release 6.5. Core unit CPCPCM2055 Work safely of roofs added to the metadata.
2	This version first released with CPC Construction, Plumbing and Services Training Package Release 5.1. Title changed for CPCPCM3022 and an asterisk added to MEM11011 and MEM16006 for clarity.
1	This qualification was first released in CPC Construction, Plumbing and Services Training Package Release 5.0.

Qualification Description

This qualification reflects role of a person installing, testing, maintaining and repairing gas lines, meters, regulators and piping systems downstream of the billing meter, and appliances and ancillary equipment such as hot water systems, gas heaters and heat pumps associated with the use of fuel gases, including liquefied petroleum gas (LPG) systems.

Occupational titles could include:

- Gas fitter.

This qualification includes units of competency common to other qualifications in the plumbing industry as well as gas fitting specialist units of competency and can provide a pathway to further learning and work in the plumbing industry.

The plumbing industry strongly affirms that training and assessment leading to recognition of skills must be undertaken in a real or closely simulated workplace environment and this qualification requires all units of competency to be delivered and assessed in this context.

Completion of the general construction induction training program specified by the model Code of Practice for Construction Work is required before entering a construction work site. Achievement of *Prepare to work safely in the construction industry* meets this requirement.

Licensing/Regulatory Information

This is a licenced occupation. Licensing, legislative, regulatory and certification requirements may vary between states and territories. Relevant state and territory regulatory authorities should be consulted to confirm those requirements.

Entry Requirements

There are no entry requirements for this qualification.

Packaging Rules

To be awarded this qualification, competency must be achieved in:

- 31 units of competency:
 - 26 core units
 - 5 elective units.

The elective units must ensure the integrity of the AQF alignment and contribute to a valid, industry-supported vocational outcome and are to be chosen as follows:

- 3 elective units must be chosen from listed below,
- 2 elective units can be selected from the list below or may be replaced by units from any relevant nationally endorsed Training Package or accredited course.

An asterisk (*) against a unit code below indicates that the unit has a prerequisite. Please check the unit for information on this. All prerequisites are packaged in the qualification.

Core units	
CPCCCM2012*	Work safely at heights
CPCCWHS2001	Apply WHS requirements, policies and procedures in the construction industry

CPCPCM2039	Carry out interactive workplace communication
CPCPCM2040*	Read plans, calculate quantities and mark out materials
CPCPCM2041	Work effectively in the plumbing services sector
CPCPCM2043	Carry out WHS requirements
CPCPCM2045*	Handle and store plumbing materials
CPCPCM2046*	Use plumbing hand and power tools
CPCPCM2047*	Carry out levelling
CPCPCM2048*	Cut and join sheet metal
CPCPCM2055*	Work safely on roofs
CPCPCM3021*	Flash penetrations through roofs and walls
CPCPCM3022*	Weld polymer pipes using fusion method
CPCPCM3023*	Fabricate and install non-ferrous pressure piping
CPCPGS3046*	Install LPG systems in caravans, mobile homes and mobile workplaces
CPCPGS3047*	Install LPG systems in marine craft
CPCPGS3048*	Install gas pressure control equipment
CPCPGS3051*	Purge consumer piping
CPCPGS3052*	Maintain Type A gas appliances
CPCPGS3053*	Disconnect and reconnect Type A gas appliances
CPCPGS3054*	Calculate and install natural ventilation for Type A gas appliances
CPCPGS3056*	Size and install consumer gas piping systems

CPCPGS3059*	Install LPG storage of aggregate storage capacity up to 500 litres
CPCPGS3061*	Install and commission Type A gas appliances
CPCPGS3049*	Install gas appliance flues
HLTAID011	Provide First Aid
Elective units	
CPCCCM2008*	Erect and dismantle restricted height scaffolding
CPCCCM3001	Operate elevated work platforms up to 11 meters
CPCCRI3001*	Operate personnel and materials hoists
CPCCST2005*	Carry out load slinging of off-site materials
CPCPCM2049*	Cut using oxy-acetylene equipment
CPCPCM2053*	Weld using metal arc welding equipment
CPCPCM2054*	Carry out simple concreting and rendering
CPCPCM3024*	Prepare simple drawings
CPCPCM3025	Install trench support
CPCPCM4013	Produce 2-D architectural drawings using design software
CPCPGS3026	Assess operational risk when working with hydrogen
CPCPGS3055*	Install gas sub-meters
CPCPGS3060*	Install LPG storage of aggregate storage capacity exceeding 500 litres and less than 8 kl

CPCPGS4011*	Design and size consumer gas installations
CPCPMS3031*	Fabricate and install steel pressure piping
CPCPMS3033 *	Install small bore heating systems
MEM05049*	Perform routine gas tungsten arc welding
MEM05050 *	Perform routine gas metal arc welding
MEM11011*	Undertake manual handling
MEM13015	Work safely and effectively in manufacturing and engineering
MEM16006*	Organise and communicate information
UEERL0004	Disconnect - reconnect electrical equipment connected to low voltage (LV) installation wiring

Pre-requisite Requirements

Unit of competency	Prerequisite requirement
CPCCCM2008 Erect and dismantle restricted height scaffolding	CPCCWHS2001 Apply WHS requirements, policies and procedures in the construction industry
CPCCCM2012 Work safely at heights	CPCCWHS2001 Apply WHS requirements, policies and procedures in the construction industry
CPCCRI3001 Operate personnel and materials hoists	CPCCWHS2001 Apply WHS requirements, policies and procedures in the construction industry
CPCCST2005 Carry out load slinging of off-site materials	CPCCWHS2001 Apply WHS requirements, policies and procedures in the construction industry
CPCPCM2040 Read plans, calculate quantities and mark out materials	CPCPCM2043 Carry out WHS requirements CPCPCM3024 Prepare simple drawings

CPCPCM2045 Handle and store plumbing materials	CPCPCM2043 Carry out WHS requirements
CPCPCM2046 Use plumbing hand and power tools	CPCPCM2043 Carry out WHS requirements
CPCPCM2047 Carry out levelling	CPCPCM2043 Carry out WHS requirements
CPCPCM2048 Cut and join sheet metal	CPCPCM2043 Carry out WHS requirements
CPCPCM2049 Cut using oxy-acetylene equipment	CPCPCM2043 Carry out WHS requirements
CPCPCM2053 Weld using metal arc welding equipment	CPCPCM2043 Carry out WHS requirements
CPCPCM2054 Carry out simple concreting and rendering	CPCPCM2043 Carry out WHS requirements
CPCPCM2055 Work safely on roofs	CPCPCM2043 Carry out WHS requirements
CPCPCM3021 Flash penetrations through roofs and walls	CPCPCM2043 Carry out WHS requirements
CPCPCM3022 Weld polymer pipes using fusion method	CPCPCM2043 Carry out WHS requirements
CPCPCM3023 Fabricate and install non-ferrous pressure piping	CPCPCM2043 Carry out WHS requirements
CPCPCM3024 Prepare simple drawings	CPCPCM2043 Carry out WHS requirements
CPCPCM3025 Install trench support	CPCPCM2043 Carry out WHS requirements
CPCPGS3046 Install LPG systems in caravans, mobile homes and mobile workplaces	CPCPCM2043 Carry out WHS requirements
CPCPGS3047 Install LPG systems in marine craft	CPCPCM2043 Carry out WHS requirements
CPCPGS3048 Install gas pressure control equipment	CPCPCM2043 Carry out WHS requirements
CPCPGS3049 Install gas appliance flues	CPCPCM2043 Carry out WHS requirements

	CPCPCM3021 Flash penetrations through roofs and walls
CPCPGS3051 Purge consumer piping	CPCPCM2043 Carry out WHS requirements
CPCPGS3052 Maintain Type A gas appliances	CPCPCM2043 Carry out WHS requirements CPCPGS3054 Calculate and install natural ventilation for Type A gas appliances
CPCPGS3053 Disconnect and reconnect Type A gas appliances	CPCPCM2043 Carry out WHS requirements
CPCPGS3054 Calculate and install natural ventilation for Type A gas appliances	CPCPCM2043 Carry out WHS requirements
CPCPGS3055 Install gas sub-meters	CPCPCM2043 Carry out WHS requirements
CPCPGS3056 Size and install consumer gas piping systems	CPCPCM2043 Carry out WHS requirements
CPCPGS3059 Install LPG storage of aggregate storage capacity up to 500 litres	CPCPCM2043 Carry out WHS requirements
CPCPGS3060 Install LPG storage of aggregate storage capacity exceeding 500 litres and less than 8 kl	CPCPCM2043 Carry out WHS requirements
CPCPGS3061 Install and commission Type A gas appliances	CPCPCM2043 Carry out WHS requirements CPCPGS3054 Calculate and install natural ventilation for Type A gas appliances
CPCPMS3031 Fabricate and install steel pressure piping	CPCPCM2043 Carry out WHS requirements
CPCPMS3033 Install small bore heating systems	CPCPCM2043 Carry out WHS requirements
MEM05049 Perform routine gas tungsten arc welding	MEM11011 Undertake manual handling MEM13015 Work safely and effectively in manufacturing and engineering MEM16006 Organise and communicate information

MEM05050 Perform routine gas metal arc welding	MEM11011 Undertake manual handling MEM13015 Work safely and effectively in manufacturing and engineering MEM16006 Organise and communicate information
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UEERL0004 Disconnect - reconnect electrical equipment connected to low voltage (LV) installation wiring	UEECD0007 Apply work health and safety regulations, codes and practices in the workplace

Qualification Mapping Information

Current Code and Title	Previous Code and Title	Comments	Equivalence
CPC32720 Certificate III in Gas Fitting	CPC32713 Certificate III in Gas Fitting	Supersedes and is equivalent to CPC32713 Certificate III in Gas Fitting.	Equivalent

Links

Companion volumes, including implementation guides, are found on the national training register - <https://training.gov.au/training/details/CPC>.